GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:3015
ANSWERED ON:04.08.2016
Hydro Power Project
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Will the Minister of POWER be pleased to state:

(a) whether it is a fact that 65% of the total hydro power potential of the country still remains to be tapped and if so, the details thereof, State/UT-wise;

(b) the significant achievements made by National Hydroelectric Corporation Ltd. (NHPC) during the last three years;

(c) the expansion plan of NHPC;

(d) the key goals and priorities of NHPC; and

(e) the steps proposed to be taken by NHPC in pursuance of these plants/goals/ priorities?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES

(SHRI PIYUSH GOYAL)

(a) : As per reassessment study conducted by Central Electricity Authority, India has a total hydro potential of 1,45,320 MW (above 25 MW). Projects with 38062 MW are in operation while HE Schemes with an aggregate capacity of 12357 MW are under construction. However, a total hydro potential of about 94900 MW still remains to be tapped in the country, which is about 65% of the total hydro power potential. State-wise details of the estimated hydro power potential yet to be tapped in the country is given at Annex.

(b) : National Hydroelectric Power Corporation (NHPC) has made following significant achievements during the last three years:

Particulars 2015-16 2014-15 2013-14
Generation MU 23404 22038 18386
Capacity Index/PAF(Plant Availability Factor)% 81.6 77.3 77.7
Sales of Energy Rs (In Crore)
7347
6737
5335
Net Profit Rs (In Crore)
2440

2124
979
Dividend Rs (In Crore)
1661
664
332
Capacity Addition (in MW) 80 MW
TLDP-IV
(2 Units)- 80 MW 130
Parbati-III
(1 Unit)- 130 MW 708 MW
TLDP-III (1 Unit) − 33 MW
Parbati-III (3 Units) - 390 MW
Nimoo Bazgo - 45 MW
Uri-II - 240 MW

(c) : During the 13th Plan, capacity addition of 2995 MW (Parbati-II − 800 MW, Subansiri Lower − 2000 MW, Kotli Bhel-1A − 195 MW) is anticipated on its own and 1624 MW (Pakal Dul − 1000 MW and Kiru − 624 MW) by Joint Venture Company of NHPC.

(d) & (e) : The primary goal of NHPC is to develop hydro power in the country in a sustainable manner. In addition, NHPC would also focus on the following:-

1. Promotion of consulting and advisory services - Consulting services from concept to commissioning in India and abroad.

2. Maintenance of Environmental and Corporate Social Responsibilities − Community development, environment protection, Catchment Area Treatment etc.

3. Renovation and Modernization of Plants - Life cycle stretching without reduction in installed capacity.

4. Diversification into Renewable Energy − Diversification in solar and wind power projects.

NHPC is moving forward in pursuance of the above goals and priorities.

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